

NCR 19-7511



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW5605G00251-3G-3

Job Sheet 196076



REPRINT

Deviation

Part No: RBW5605G00251-3G-3

Job Qty: 1 pcs

Part Name: Handle



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/5/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 10/26/19

Description:

Note: DWG RBW5605G00251-3G Rev C IPP Rev A 18.03.23 New issue DP Verify DD/IPP Rev. B 19.06.03 drawing
revision DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Conventional Lathe - 1	1		10/26/19	0.50	0.20	Conventional Lathe - 1		
		pcs					Conventional Lathe - 2		
110	QC 2	1		10/26/19	0.00	0.00	QC 2 - 1		
		pcs					QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		



DART
AEROSPACE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 892-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S212808



Part: RBW5605G00251-3G-3
Job No: 196076
Serial No/Batch: S212808
Revision: C
Inspector:

Plex 9/17/19 1:41 PM Dart.Guerin.Kimberley

See Attached



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Container No: S212808



Part: RBW5605G00251-3G-3

Job No: 196076

Serial No/Batch: S212808

Revision: C

Inspector:

Exp Date:

Instructions:

Date: 09/25/18

Plex 9/17/19 1:41 PM Dart.Guerin.Kimberley

						QC 2 - 64	
						QC 2 - 65	
						QC 2 - 5	
						QC 2 - 71	
						QC 2 - 73	
						QC 2 - 69	
112	Conventional Mill - 1 - B4B	1 pcs	10/26/19	0.00	0.20	Conventional Mill - 1 - B4B	
						Conventional Mill - 2 - B4B	
113	QC 2	1 pcs	10/26/19	0.00	0.00	QC 2 - 1	
<i>See Attached</i>						QC 2 - 12	
						QC 2 - 14	
						QC 2 - 17	
						QC 2 - 19	
						QC 2 - 2	
						QC 2 - 20	
						QC 2 - 22	
						QC 2 - 23	
						QC 2 - 25	
						QC 2 - 32	
						QC 2 - 33	
						QC 2 - 35	
						QC 2 - 39	
						QC 2 - 4	
						QC 2 - 40	
						QC 2 - 44	
						QC 2 - 45	
						QC 2 - 48	
						QC 2 - 49	
						QC 2 - 50	
						QC 2 - 51	
						QC 2 - 52	
						QC 2 - 57	
						QC 2 - 62	
						QC 2 - 63	
						QC 2 - 8	
						QC 2 - 66	
						QC 2 - 64	
						QC 2 - 65	
						QC 2 - 5	
						QC 2 - 71	
						QC 2 - 73	
						QC 2 - 69	
120	QC 8	1 pcs	10/26/19	0.00	0.00	QC 8 - 12	
						QC 8 - 14	
						QC 8 - 17	
						QC 8 - 20	
						QC 8 - 25	
						QC 8 - 3	
						QC 8 - 32	
						QC 8 - 33	
						QC 8 - 35	
						QC 8 - 39	
						QC 8 - 4	
						QC 8 - 44	
						QC 8 - 45	
						QC 8 - 49	
						QC 8 - 58	

9/17/2019

[Dart Hawkesbury] Job Sheet - Guerin, Kimberley

				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
121	Outsource - 12 - Black Oxide	1 pcs	10/26/19		GRO002-VC
122	Packaging 2-1 - Receive - B4B	1 pcs	10/26/19	0.00 0.00	Packaging 2 - 1 - B4B
123	QC 6	1 pcs	10/26/19	0.00 0.00	QC 6 - 40
124	Small Fab - 2 - B4B	1 pcs	10/26/19	0.00 0.00	Small Fab - 1 - B4B
126	QC 5	1 pcs	10/26/19	0.00 0.00	QC 5 - 10
130	Packaging 3-1 - Stock - B4B	1 pcs	10/26/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - SA	1 pcs	10/26/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53
Part Op 100 - (Manufacture as per dwg)					

Plex 9/17/19 1:41 PM Dart.Guerin.Kimberley

Descriptions: **110** - (QC2- Inspect parts off machine FAI/FAIB) Engrave T/N and/or P/N number using Marktronic engraver as per DWG.
112 - 1-Machine as per drawing. 2-Remove handles from shank, identify accordingly and stock in small fab for re assembly later.
113 - QC2- Inspect parts off machine FAI/FAIB
120 - (QC8- Inspect parts - second check) Engrave T/N and/or P/N using MARKTRONIC engraver as per DWG.
121 - -Issue P/O; 44523 -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; -Certificate of Conformity is required
122 - (Pac2-Receive & Inspect for Damage & Mat'l Certs.)
123 - (QC6- All purchased or subcontracted products)
124 - 1-Re install previously removed handles.
126 - (QC5- Inspect part completeness to step on W/O)
130 - (Identify as per dwg & Stock Location: _____)
140 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
JP0306R	Phillips Round Bar Scwdriver 6"	1 Ea (1 ea)	100-Conventional Lathe - 1	<u>S189493</u> <u>GA091</u>
<u>Dowel Pin S113346 (x1)</u>				

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Conventional Lathe - 1	JP0306R	1	3	0

Part Specifications

Specifications could not be found.

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RBW5605G00251-3G-3
Job Sheet 196076



Part No: RBW5605G00251-3G-3

Job Qty: 5 pcs

Part Name: Handle



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 6/5/19

Job Tracking No:

Due Date: 7/26/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBW5605G00251-3G Rev C IPP Rev A 18.03.23 New Issue DP Verify DD/IPP Rev. B 19.06.03 drawing revision DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Conventional Lathe - 1	5 pcs	7/26/19	7/26/19	0.50	1.00	Conventional Lathe - 1		
							Conventional Lathe - 2		
110	QC 2	5 pcs	7/26/19	7/26/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		



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Container No: S212808



Part: RBW5605G00251-3G-3

Job No: 196076

Serial No/Batch: S212808

Revision: C

Inspector:

Exp Date:

Instructions:

Date: 09/11/19

Plex 6/5/19 12:56 PM Dart.lajeunesse.marie

6/5/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
					QC 2 - 69	
112	Conventional Mill - 1 - B4B	5 pcs	7/26/19	0.00 1.00	Conventional Mill - 1 - B4B	11
					Conventional Mill - 2 - B4B	
113	QC 2	5 pcs	7/26/19	0.00 0.00	QC 2 - 1	
					QC 2 - 12	
					QC 2 - 14	
					QC 2 - 17	
					QC 2 - 19	
					QC 2 - 2	
					QC 2 - 20	
					QC 2 - 22	
					QC 2 - 23	
					QC 2 - 25	
					QC 2 - 32	
					QC 2 - 33	
					QC 2 - 35	
					QC 2 - 39	
					QC 2 - 4	
					QC 2 - 40	
					QC 2 - 44	
					QC 2 - 45	
					QC 2 - 48	
					QC 2 - 49	
					QC 2 - 50	
					QC 2 - 51	
					QC 2 - 52	
					QC 2 - 57	
					QC 2 - 62	
					QC 2 - 63	1/19/11
					QC 2 - 8	
					QC 2 - 66	
					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
120	QC 8	5 pcs	7/26/19	0.00 0.00	QC 8 - 12	encl 19/09/14
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	

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				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
130 Packaging 3-1 - Stock - B4B 5 pcs	7/26/19	0.00 0.00	Packaging 3 - 1 - B4B		
			Packaging 3 - 2 - B4B		
			Packaging 3 - 3 - B4B		
			Packaging 3 - 4 - B4B		
			Packaging 3 - 5 - B4B		
			Packaging 3 - 6 - B4B		
			Packaging 3 - 7 - B4B		
			Packaging 3 - 8 - B4B		
			Packaging 3 - 9 - B4B		
			Packaging 3 - 10 - B4B		
			Packaging 3 - 11 - B4B		
			Packaging 3 - 12 - B4B		
			Packaging 3 - 13 - B4B		
			Packaging 3 - 14 - B4B		
			Packaging 3 - 15 - B4B		
			Packaging 3 - 16 - B4B		
			Packaging 3 - 17 - B4B		
			Packaging 3 - 18 - B4B		
			Packaging 3 - 19 - B4B		
			Packaging 3 - 20 - B4B		
			Packaging 3 - 21 - B4B		
			Packaging 3 - 22 - B4B		
			Packaging 3 - 23 - B4B		
			Packaging 3 - 24 - B4B		
			Packaging 3 - 25 - B4B		
			Packaging 3 - 26 - B4B		
			Packaging 3 - 27 - B4B		
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			Packaging 3 - 29 - B4B		
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			Packaging 3 - 31 - B4B		
			Packaging 3 - 32 - B4B		
			Packaging 3 - 33 - B4B		
			Packaging 3 - 34 - B4B		
			Packaging 3 - 35 - B4B		
			Packaging 3 - 36 - B4B		
140 QC 21 - SA	5 pcs	7/26/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - (Manufacture as per dwg)

Descriptions: 110 - (QC2- Inspect parts off machine FAI/FAIB) Engrave T/N and/or P/N number using Marktronic engraver as per DWG.

112 - Machine as per drawing.

120 - (QC8- Inspect parts - second check) Engrave T/N and/or P/N using MARKTRONIC engraver as per DWG.

130 - (Identify as per dwg & Stock Location: _____)

140 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
JP0306R	Phillips Round Bar Scwdriver 6"	5 Ea (1 ea)	100-Conventional Lathe - 1	5189493 GA 091

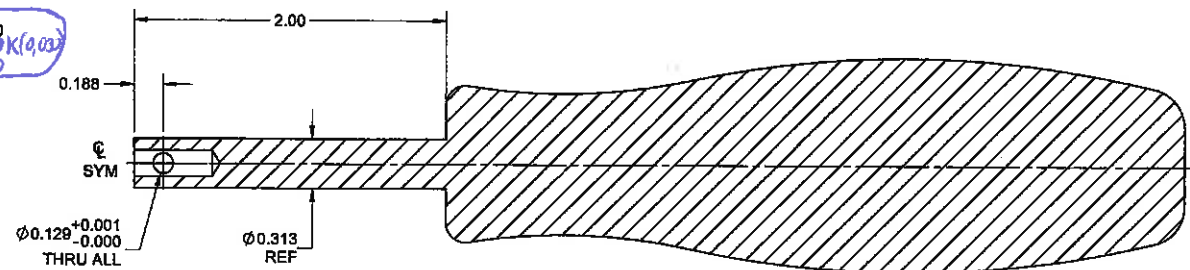
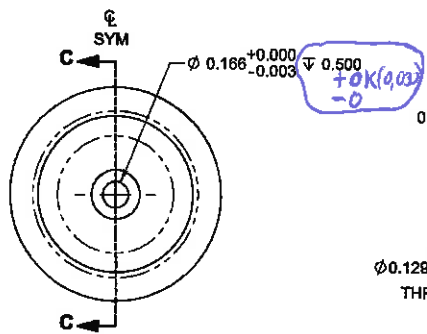
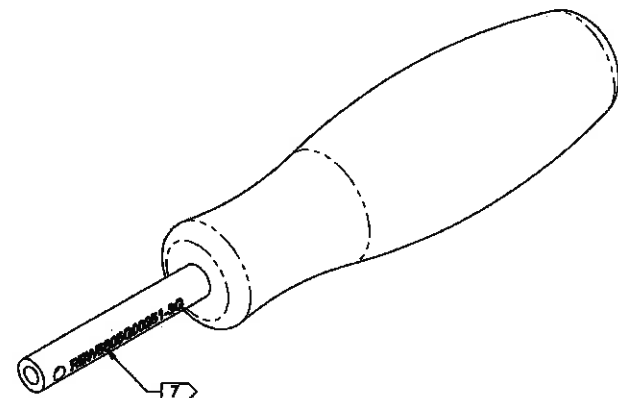
6/5/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Conventional Lathe - 1	JP0306R	5	2	0
Part Specifications				
Specifications could not be found.				

Plex 6/5/19 12:56 PM Dart.lajeunesse.marie

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 196076 MWS
190601



SECTION C-C

RBW5605G00251-3G-3 HANDLE

NOTES:

- 1) MATERIAL: PROTO#JP0306R OR EQUIV (#3 PHILIPS SCREWDRIVER 6")
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1"
X.XX = +/- 0.01" / +/- 0.5"
X.XXX = +/- 0.005" / +/- 0.1"
X.XXXX = +/- 0.0005" / +/- 0.05"
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N, "RBW5605G00251-3G", AS SHOWN

DESIGN		VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	REV. C SHEET 3 OF 3
DRAWN		VM		
CHECKED		KPT		
MFG. APPR.		DD		
APPROVED		WJ	TOOL PART # RBW5605G00251-3G	TITLE SEAL INSTALLATION TOOL
DATE 2019-05-31			SCALE NTS	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044523



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044523

PO Date: 9/17/19

Due Date: 9/25/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-09-22

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	198284	RBT18635-3	Spud -Issue P/O to Groupe Altech; PO _____ -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Certificate of Conformity is required	Firmed	-	9/25/19	4 pcs	0 pcs	4 pcs	\$5.96/pcs	\$23.84
2	198282	RBT18635-1	Adapter Bushing -Issue P/O to Groupe Altech; PO _____ -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Certificate of Conformity is required	Firmed	-	9/25/19	4 pcs	0 pcs	4 pcs	\$0.99/pcs	\$3.96

Plex 9/20/19 11:02 AM Dart.Guerin.Kimberley



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PURCHASE ORDER

POHB044523



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	200410	RBW5605G00551-3G-1	Shoe -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	9/25/19	1 pcs	0 pcs	1 pcs	\$1.11/pcs	\$1.11
4	198052	RBW6405G04132-3G-6	Rod -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; Stress Proof -Certificate of Conformity is required	Firmed	-	9/25/19	5 pcs	0 pcs	5 pcs	\$9.90/pcs	\$49.50
5	196252	RBSC7028-P-5	Cutter Issue P/O to Groupe Altech; PO -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed	-	9/25/19	10 pcs	0 pcs	10 pcs	\$2.87/pcs	\$28.70



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PURCHASE ORDER

POHB044523



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	199561	RBW6522A00231-W142AK-3T	Tail Rotor Gear Box/Mast Output Oil Seal Assembly Press Tool (Outside Processing - Black Oxide) -Issue P/O to Groupe Altech -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed	-	9/25/19	6 pcs	0 pcs	6 pcs	\$8.43/pcs	\$50.58
7	196076	RBW5605G00251-3G-3	Handle -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; -Certificate of Conformity is required	Firmed	-	9/25/19	1 pcs	0 pcs	1 pcs	\$1.51/pcs	\$1.51
8	196078	RBW5605G00351-3G-3	Handle -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; Tool steel -Certificate of Conformity is required	Firmed	-	9/25/19	1 pcs	0 pcs	1 pcs	\$1.48/pcs	\$1.48



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PURCHASE ORDER

POHB044523



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
9	196079	RBW5605G00551-3G-3	Handle -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; Tool steel -Certificate of Conformity is required	Firmed	-	9/25/19	1 pcs	0 pcs	1 pcs	\$1.41/pcs	\$1.41
Grand Total:											\$162.09

Order Notes

Procurement Quality Clauses

A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)

A022 Apical Processing
 A024 process certifications
 A026 certification of material conformance

A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/20/19 11:02 AM Dart.Guerin.Kimberley

**Certificat de Conformité / Certificate of Compliance**
(022506-2)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupepaltech.com

Bon de Livraison / Packing Slip**022506 - 2**

Livré à / Ship to

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date	Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No					
24-Sep-2019	Jigar Patel		POHB044523					
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NG-89	Qté Scrap/	À venir/ Back Order
1	RBT18635-3 Rev.	RBT18635-3 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE3 CLASS 1 WIPE OFF EXCESS OIL	BLACK-OXIDE CH	4	4	0	0	0
2	RBT18635-1 Rev.	RBT18635-1 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE3 CLASS 1 WIPE OFF EXCESS OIL	BLACK-OXIDE CH	4	4	0	0	0
4	RBW6405G04132-3G-6 Rev.	RBW6405G04132-3G-6 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE3 CLASS 1 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	5	5	0	0	0
7	RBW5605G00251-3G-3 Rev.	RBW5605G00251-3G-3 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE3 CLASS 1 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	1	1	0	0	0
8	RBW5605G00351-3G-3 Rev.	RBW5605G00351-3G-3 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE3 CLASS 1 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	1	1	0	0	0
9	RBW5605G00551-3G-3 Rev.	RBW5605G00551-3G-3 01-OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL MIL-PRF-16173 GRADE3 CLASS 1 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	1	1	0	0	0

DAS
81
9-89

RECEIVED

SEP 24 2019

DART AEROSPACE LTD.

E-MAIL

Entered: 1RDate: Oct 23/19.

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. 19-7511Route update only ☐

Job: <u>A6076</u> Part No. <u>RBW5605600251</u>		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐				Cross tube ☐ Small Fab ☐ Finishing ☐		Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐		Engineering ☒ Water Jet ☐ Supplier Quality ☐	
Date :		Sequence #:		QTY Affected :				MRB (QSI042) DAS <u>51</u> <u>12/02/19</u> 9-89					
Description Work Order Deviation				Disposition				Completed By					
machining was following w/o Drawing and tapping into a hard metal shaft, resulting in tap breaking off.				- Scrap destroy 4 parts - New design will be implemented with the new revision				Lead hand / Supervisor					
								QC / QA Coordinator					
Root Cause		FAULT CATEGORY											
Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread											
		Other/Details:											

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATENCR No. 197511Route update only ☐

Job: <u>196076</u> Part No. <u>RBW5605G-00251-3G-3</u>	DISPOSITION Rework ☒ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☒ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date: <u>09.11.2019</u>	Sequence #:	QTY Affected: <u>51</u>		MRB (QSI042) <u>VP</u> 19-109	
Description Work Order Deviation DIM WAS $\phi 0.166 \pm 0.000 / - 0.003$ IS $\phi 0.161$ DIM WAS $\phi 0.129 \pm 0.001 / - 0.000$ IS $\phi 0.098 \pm 0.001 / - 0.000$ SCREWDRIVER SHANK MUST BE REMOVED, FINISHED BLACK OXIDE, AND THEN REINSTALLED WITH SCREWDRIVER HANDLE		Disposition THIS DEVIATION IS ACCEPTABLE		Completed By <u>19/9/14</u> Lead hand / Supervisor <u>19/09/14</u> QC / QA Coordinator DAS 68 9-89 SEP 16 2019	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☒ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☒ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					